

-1170 taaccctctctctctatgacactgctggtggccctcctgggaactttatcactgtcc
 -1110 acacttttgaactactggttagaagtgagtgctccatccctcccaagacacaggt
 -1050 gctctgctccctactgctctgtcttgaagtacactctcggagctcggttggctcc
 -990 ttggaacagaggtagtgagaagcagacctcacagggttctttaggaactcaatgat
 -930 ctaagacagcaaaaaggggtccctcagagctaaaacttggaaaactctgtgggg
 -870 tctgtgattcaatgttgttactttctctccctccacttgaagcagctccagcatt
 -810 ctgctcaatggctgtatcactacgtgttggaaaaacacatagaaaccaagtctgcga
 -750 tggcactggttaagagtgctgagatctctctggtggttctctcttgcacagaca
 -690 gaagagggttcccttggctgtaaaaaggagccacagggccactcagacatctggagag
 -630 ctactggggttctccaaaggttgggttctactcattcaacacatacatcaaacact
 -570 catttgtcatgctctcttctggggttggcataatttcataaaaagaagatgacaat
 -510 ccccggtctgattctactcagagtcaggcactcagatgacagataaacaagtcat
 -450 actacagaatttacaagtgagacctcactggtcctctcactagatggtggactctcc
 -390 cagattctgactagatgacgagccagcaacaataataaactgggtgatttagggtt
 -330 ctgaaggccttttcccccacaaacatggggaaaatagtggactctgctggagaca
 -270 gactaaggagctctggggtcactacttcttattctcactcagagaggtgactctgg
 -210 ggaacttcccaagagcacaatagagctctgtaaggagacttgaatccctgca
 -150 agcagagggggttgggtcagagctggcactgagagcactcctccctcagacccg
 -90 aggtccagagctctggttgggttccctccacagacatctgcccctcctcctaacc
 -30 aggaccaggggaccagatctggagcttg...aggagctgctcacaaaactctgctgca
 M R K L L T N L P A
 31 gctgcagctttagtgccaggtgtacagtgctgtctccagggtcttgggaagaaat
 A A V L S A Q V Y S A V L Q G L W E E N
 91 gcttggaagcgcagggcagcaggtgtgtacagcctgtgtatggccaggtctgc
 V C G T P G R T R V C T A L L Y G Q V C
 151 ccttccaggacagcactgaggttaccaccatcactccatttggttcaactggccc
 P F Q D S T D G L R T I T S I L F N W P
 211 ccgaaaaacacttctggttactatcagcccccgcaacgggtcactcttccggataaagctg
 P E N T S V Y Q P P Q R S S F R I K L
 271 gcttccaggaaactctcctggcctggactgggttggaggaccatcaggaaattgctca
 A F R N L S W P G L G L E D H Q E I V L
 331 ggccagttgggtgttccggagcccaacagggcccaagccagatdactctgtccactct
 G Q L V L P E P N E A K P D P A P R P
 391 gggcaacacgcatatacaatgccggcctggagccagcaccactgctggcgagctg
 G Q H A L T M P A L E P A P L A D L
 451 gggcctgcttggagccagagtcactcagcctgggtgggtccaccaggtatctacattca
 G P A L E P E S P A A L G P P G Y L H S

FIG.1

511 gcaccaggccaccagcaccagggggccctccctccaggacagtgctggagcca
 A P G P A P A P G E G P P G T V L E P
 571 cagtcagccagcagtgctctcctcctcctgctgggtctgttaagaacacacccagtgag
 Q S A P E S C P C R G S V K N Q P S E
 631 gagctgctgacatgagcaaccttccctccaggtctgtgagagcagctgacactcag
 E L P D M T T F P P R L L A E Q L T L M
 691 gatgctgagctgttcaagaaggtgtgtctcacgaatgcttggctgcatctggggccaa
 D A E L F K K V L H E C L G C I W G Q
 751 ggacatctgaaaggaatgagcacatggcaccacacatctgtgccaccatcgacacttc
 G H L K G N E H M A P T V R A T I A H F
 811 aacagctcaccacactcactcaccactcctcctcctgggaccacacagcatgagggcccg
 N R L T N C I T T S C L G D H S M R A R
 871 gacaggccaggtgtggagcactggtcaagtggtggcaggtgagtcctaaagcctcaac
 D R A R V V E H W I K V A R E C L S L N
 931 aacttctcctggctgacgtcatgctgtctgtgagcagcaccacccaataggtcagta
 N F S S V H V I V S A L C S N P I G Q L
 991 cacaagactggcaggtgtctcgcacaaagcatgaaagagctaaaagaactctgcaaa
 H K T W A G V S S K S M K E L K E L C K
 1051 aaagacactgagtgaaagagggaactactgataagtcggggagctttaaagtgggcacc
 K D T A V K R D L L I K A G S F K V A T
 1111 caggagagaaacccccagagtcacatgagctgcgagggcaggaagaggtgtggltc
 Q E R N P Q R V Q M R L R R Q K G V V
 1171 ccttctcgggggttttctgaactgadtacagaggtgtgattccggccatcccgagcag
 P F L G D F L T E L Q R L D S A I P D D
 1231 ctggatggcaacacacaaagagaggaagaggtccaggttctgcaaggaatgcagctg
 L D G N T N K R S K E V R V L Q E M Q L
 1291 ctccaagtgggtgcaatatacaggtctcggcctctttagaanaattgtcacacttttc
 L Q V A A M N Y R L R P L E K F V T Y F
 1351 acaaaatggggcagctcagtgacaagagaggtacaaagctgtcctcgcagctggggccc
 T R M E Q L S D K E S T K L S C Q L E P
 1411 gaaaacccgtgggtggcaacatcctgcatggctgggaacccacccggggtgtgtggccag
 E N P *
 1471 aacacggctctgtaccatcctcctcaccacacactagacacccgggaacacacatctagga
 1531 ggctggcagctcagctgacttcttccctggatctcctcactcaccacactgctcctgtggcca
 1591 ggtacggcctcaggtcttggtagtgcagcggaacacattttatgttttatttctt
 1651 atgtataagtaagggttttttcttcttaacttctgttaaaataaaattttaaaactattc
 1711 aaataaaaaa



FIG. 2B

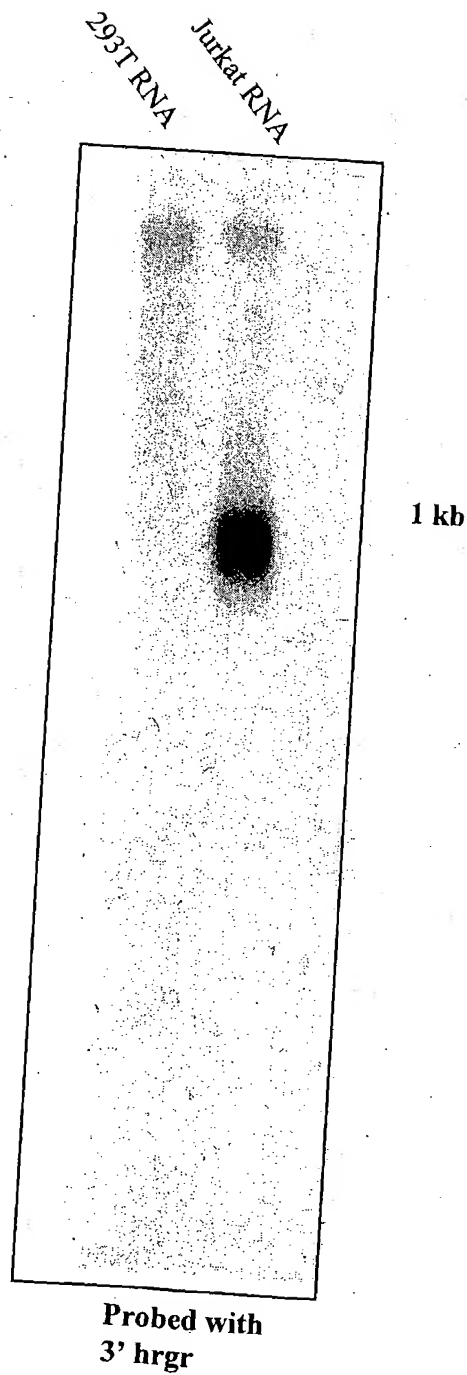


FIG. 2A

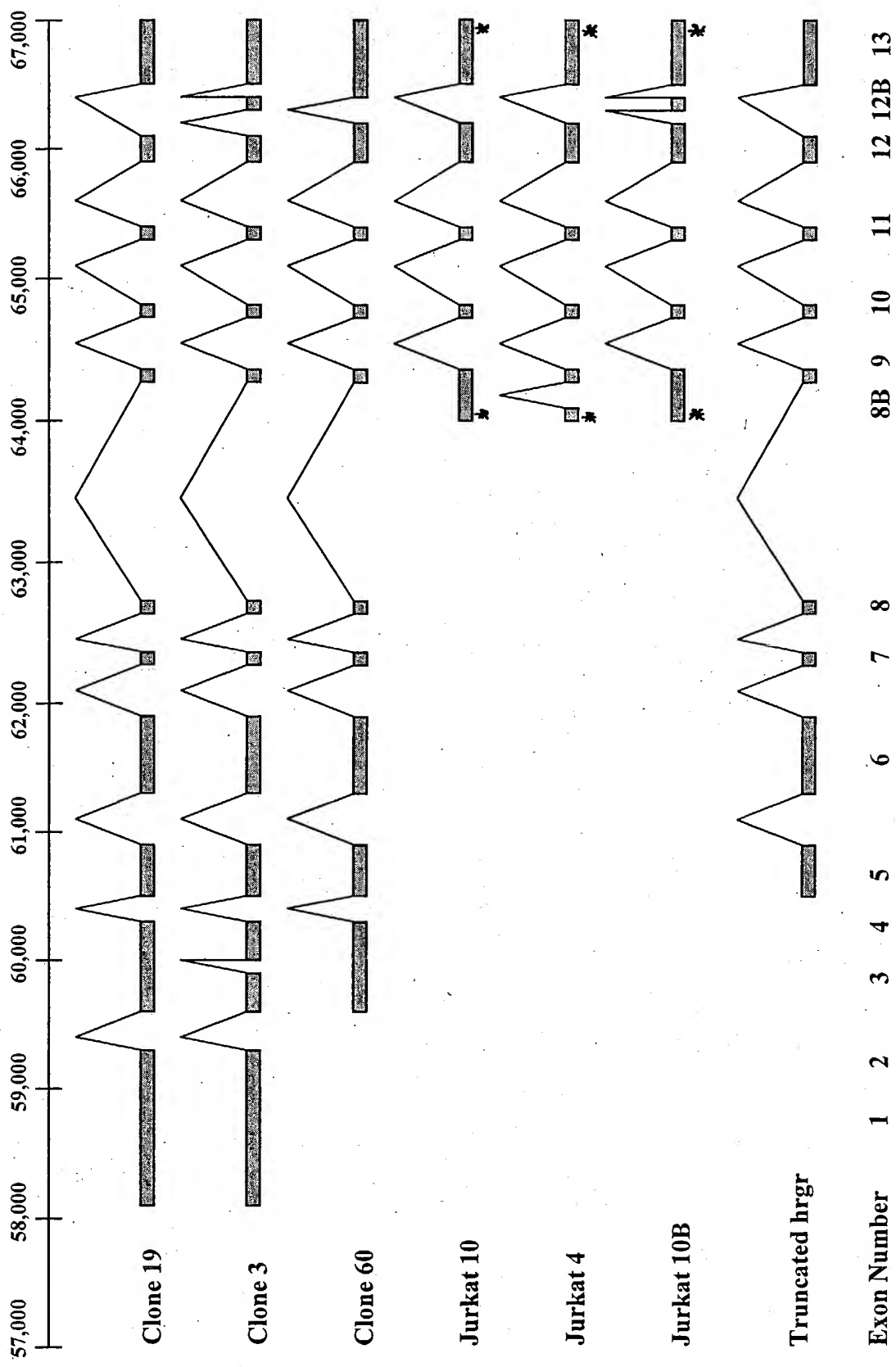


FIG. 3

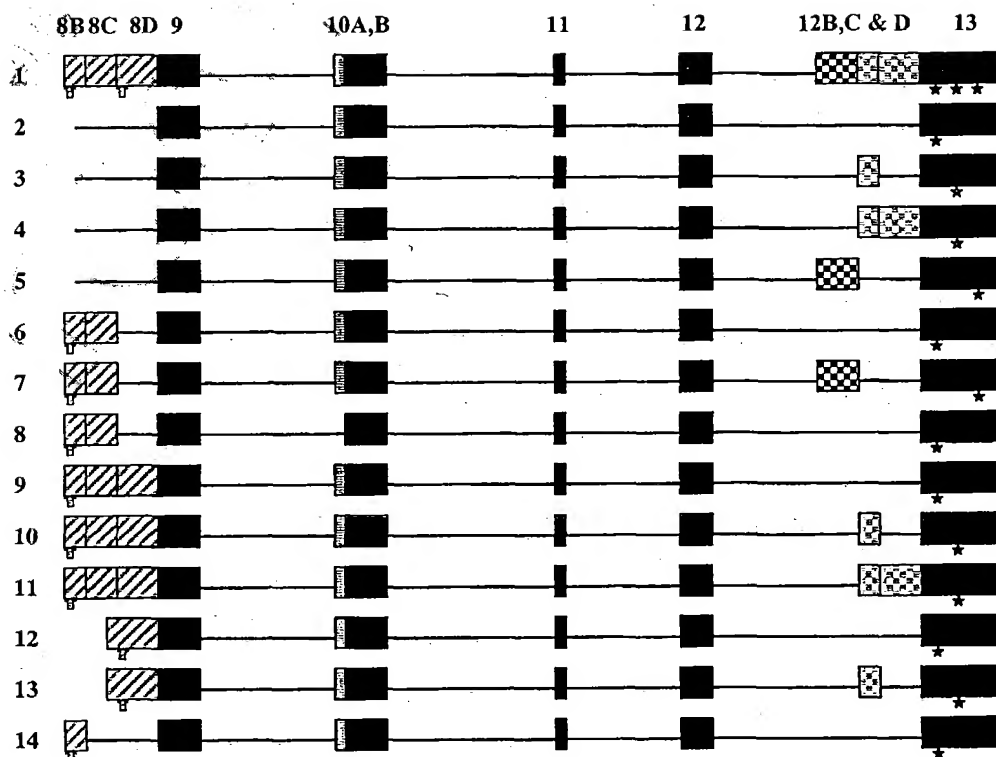


FIG. 4

FIG. 5A

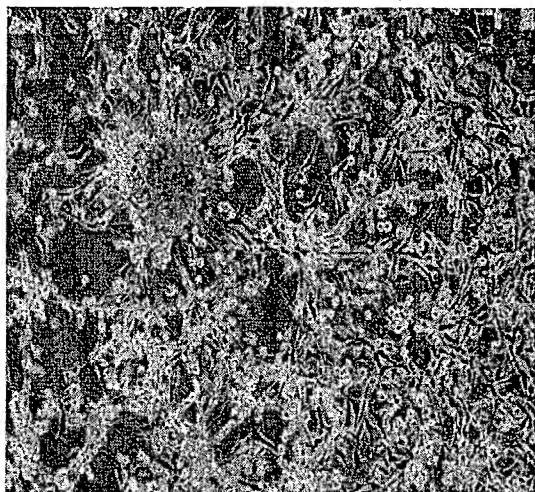


FIG. 5B

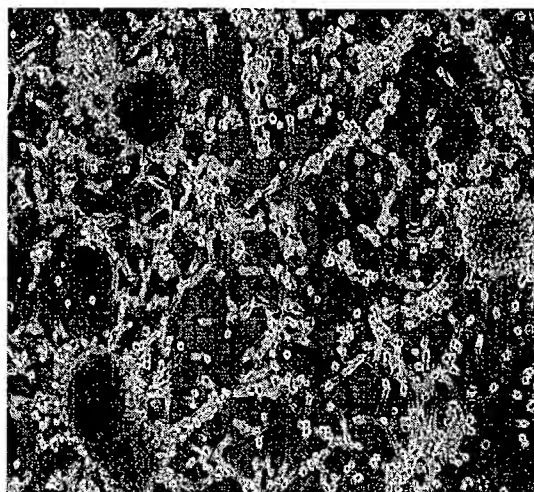


FIG. 5C

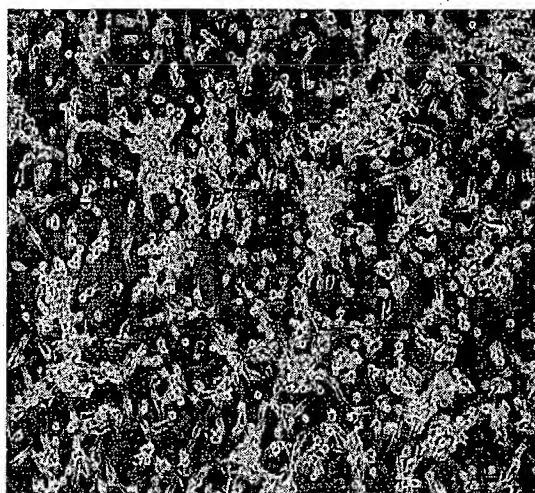


FIG. 5D

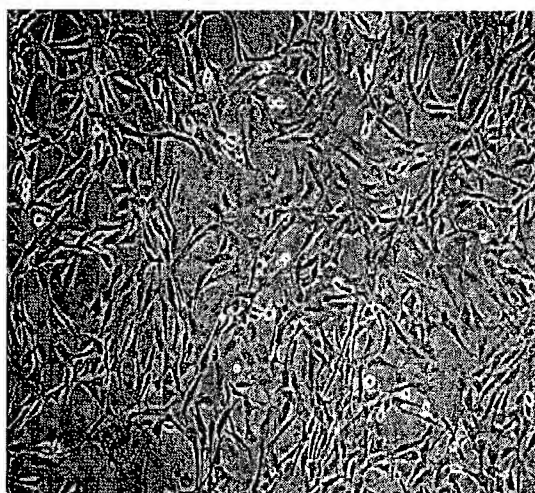


FIG. 5E



FIG. 5F

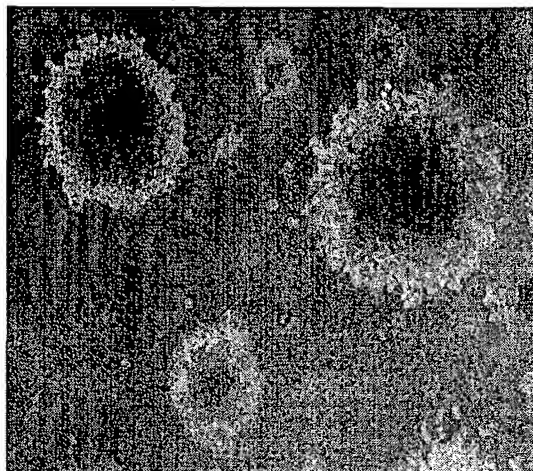


FIG. 5G

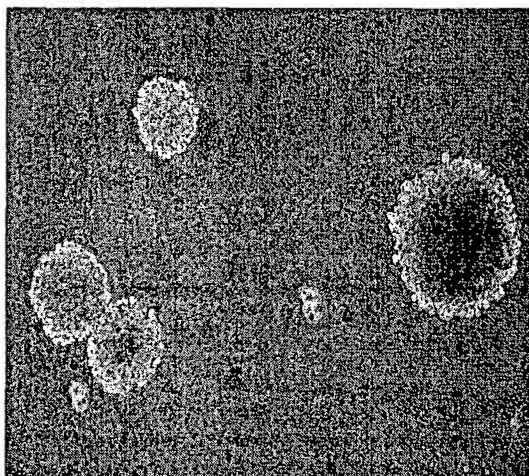
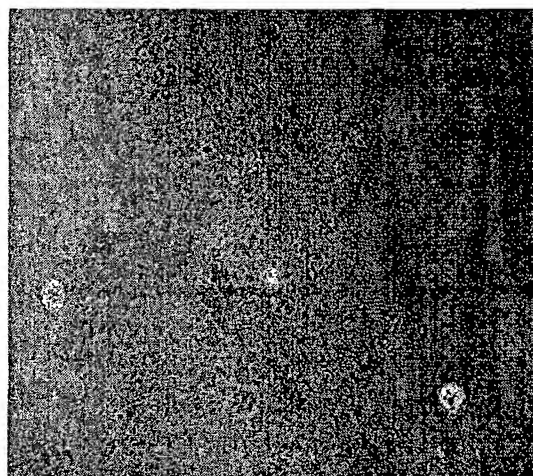


FIG. 5H



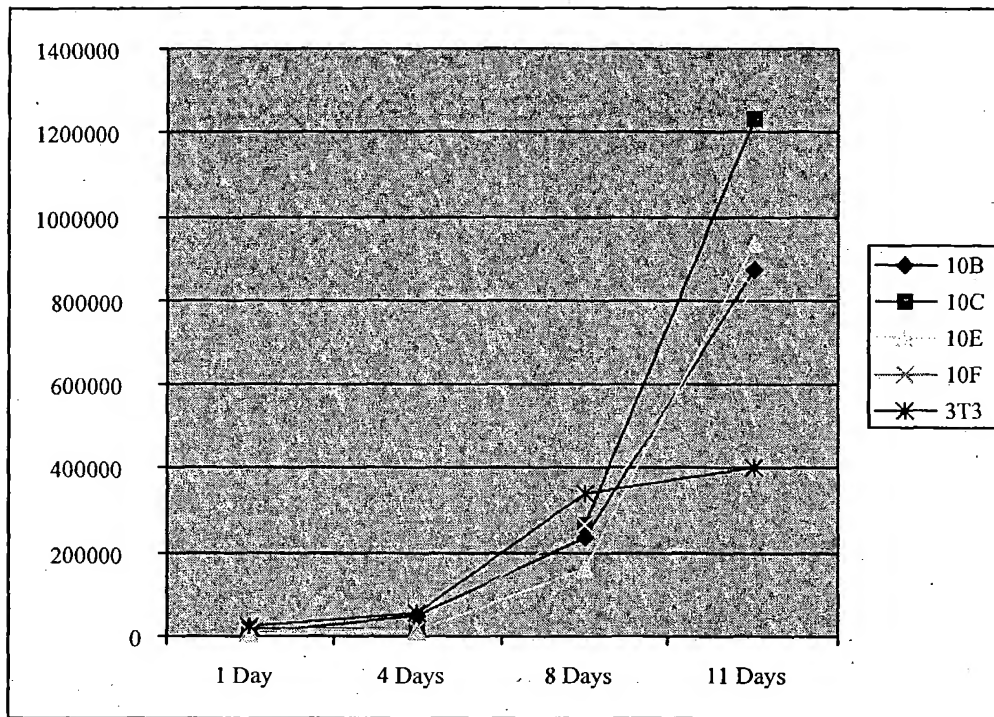


FIG. 6

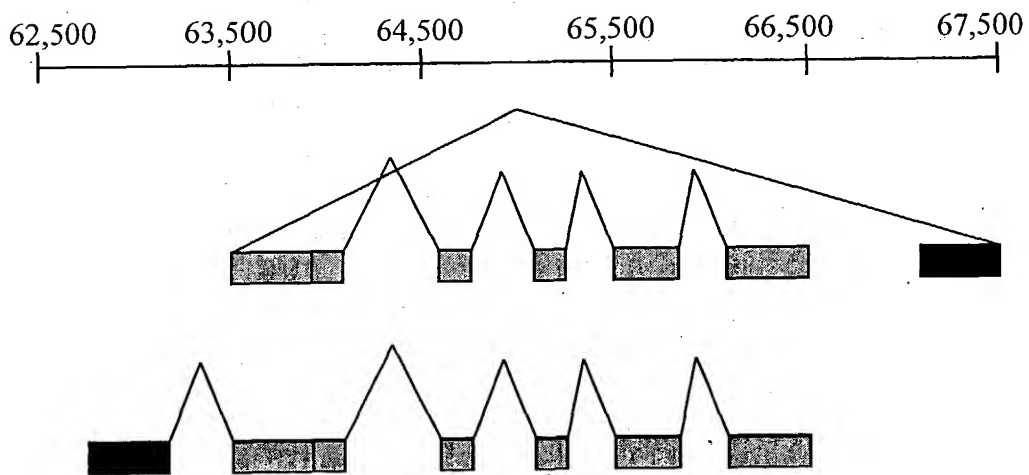


FIG. 7

BEST AVAILABLE COPY

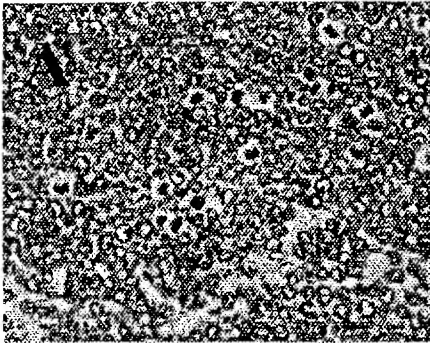


FIG. 8A

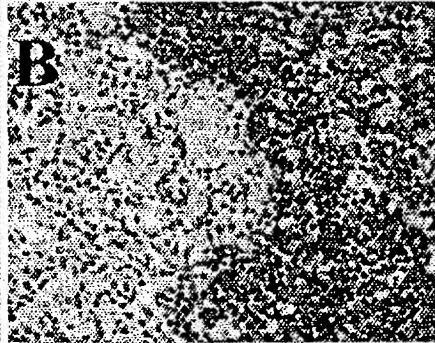


FIG. 8B

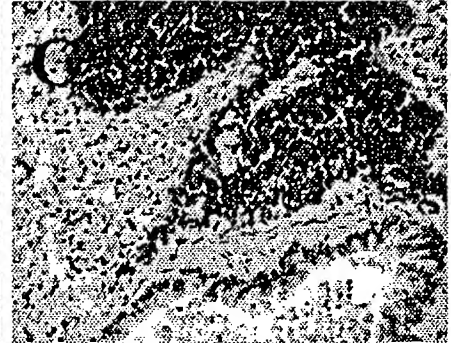


FIG. 8C

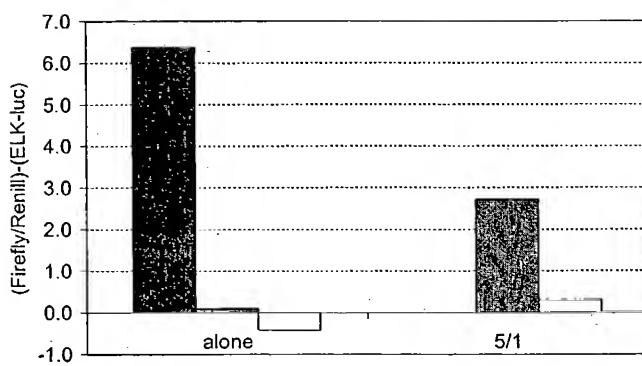


FIG. 9

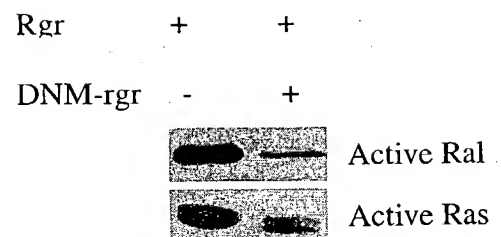


FIG. 10

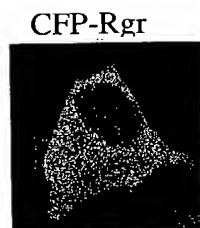


FIG. 11A

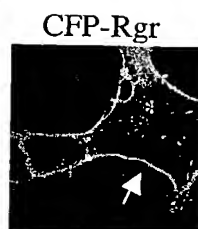


FIG. 11B

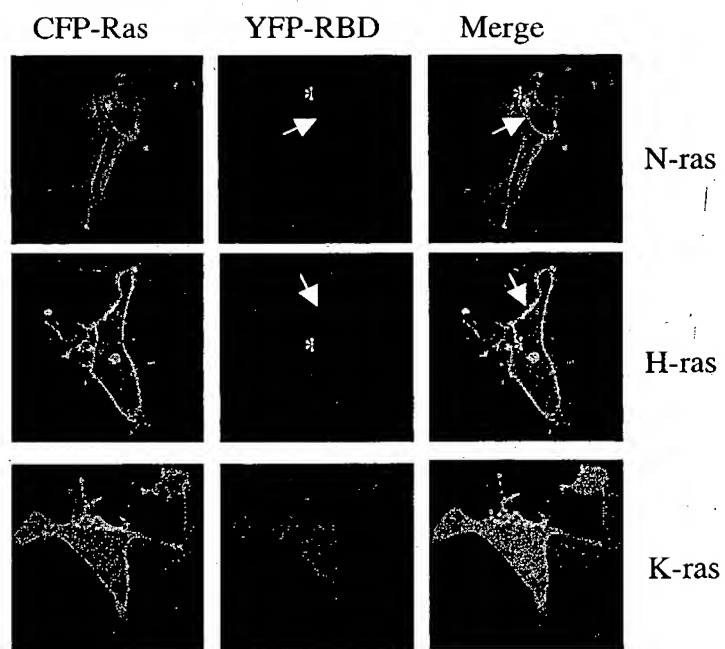


FIG. 11C

Fig. 12A

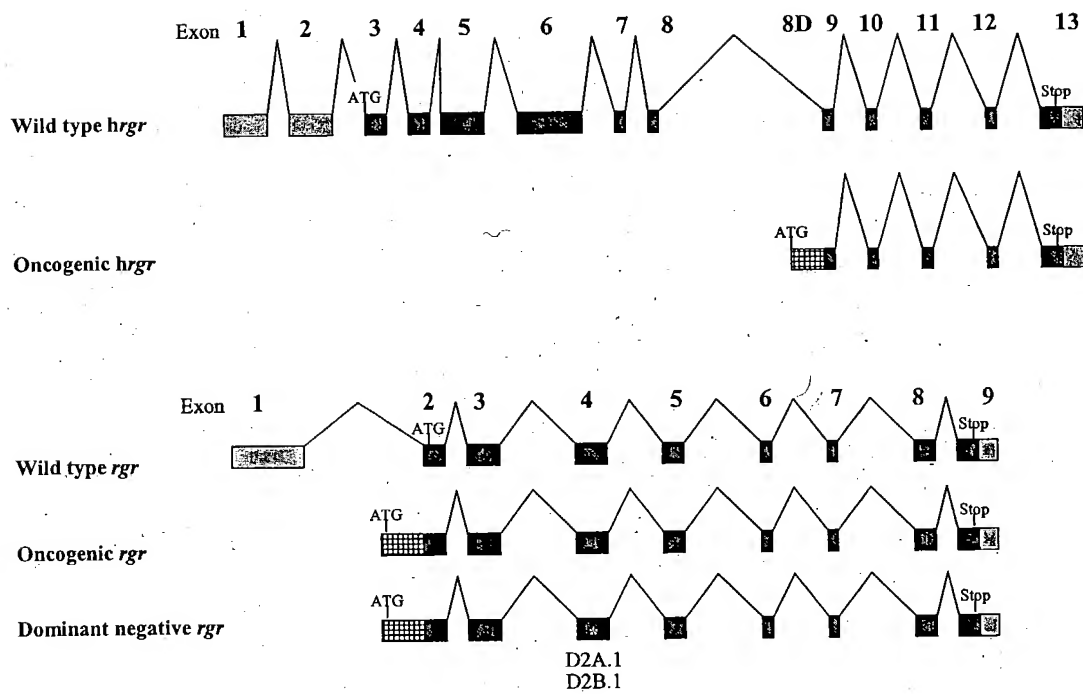


Fig. 12B

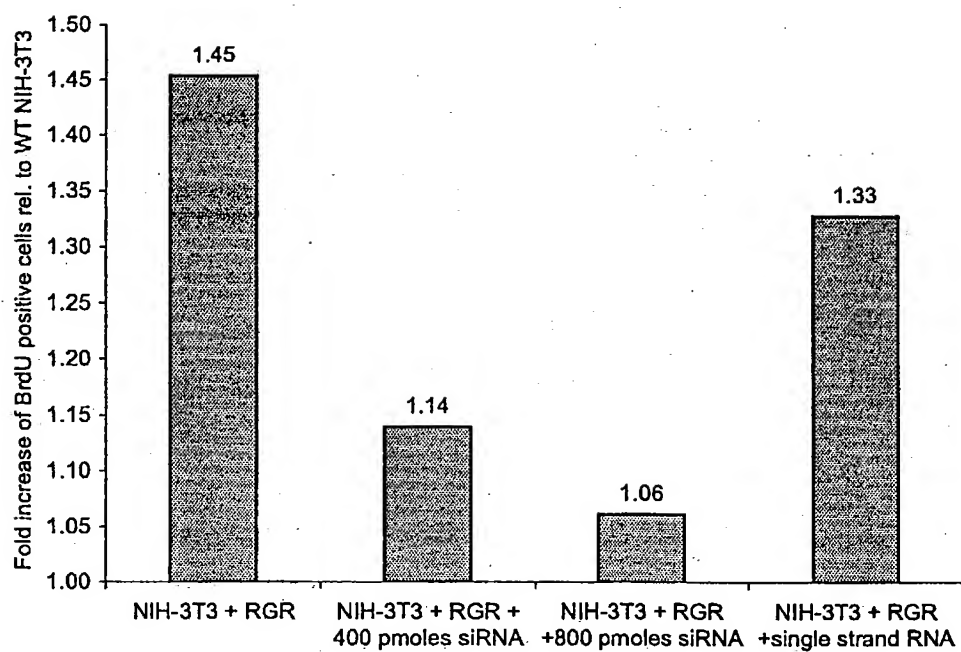


FIG. 13A

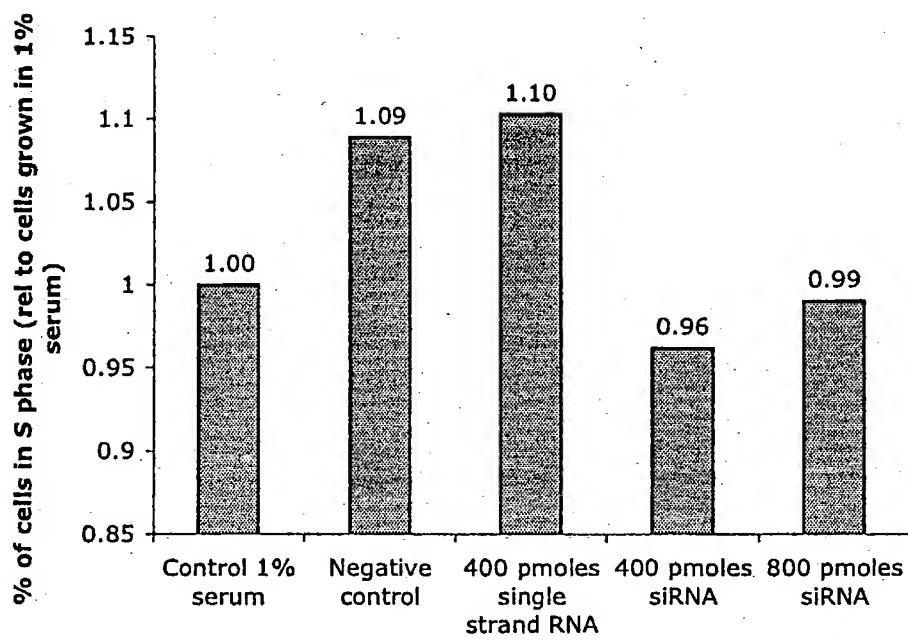
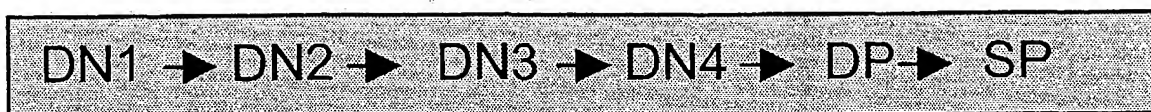


FIG. 13B



	Wil-type	CD4-RGR		Wil-type	CD4-RGR
DN CD4-CD8-	3.8 +/-0.19	1.7 +/-0.06	DN1 CD44+++ / CD25-	36.3 +/-2.03	21.2 +/-0.17
DP CD4+CD8+	80.9 +/-1.06	88.9 +/-1.20	DN2 CD4+++ / CD25++	2.1 +/-0.35	1.4 +/-0.04
SP-CD8 CD4-CD8+	2.3 +/-0.04	2.6 +/-0.49	DN3 CD44+ / CD25++	13.8 +/-0.84	11.4 +/-1.41
SP-CD4 CD4+CD8-	13.0 +/-1.29	8.8 +/-0.77	DN4 CD44- / CD25-	47.7 +/-3.22	85.9 +/-1.54

FIG. 14

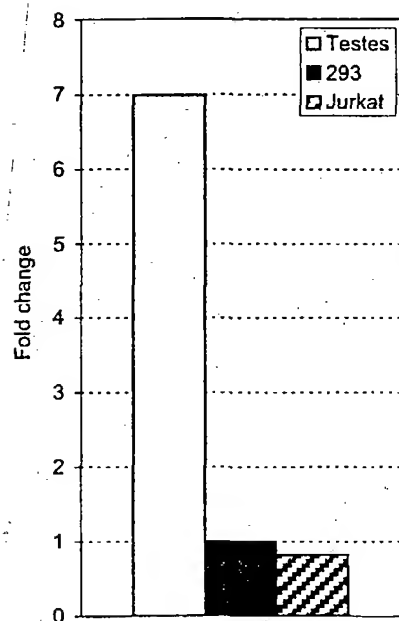


FIG. 15A

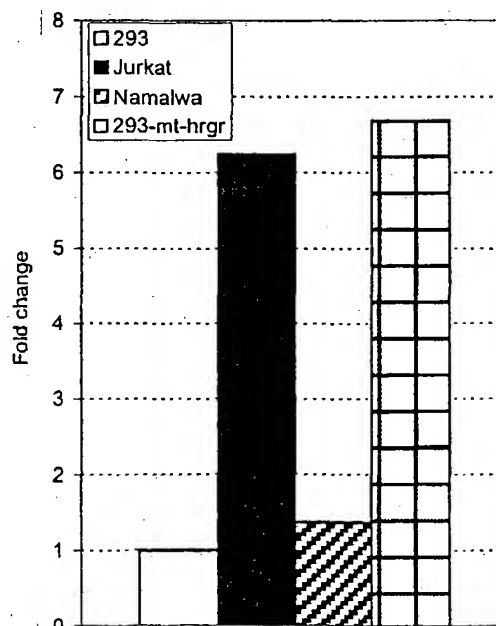


FIG. 15B